

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/29130

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : H04B 7/15

US CL : 455/11.1, 127.1, 127.2, 136, 138

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 455/11.1, 127.1, 127.2, 136, 138

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,404,775 B1 (LESLIE et al) 11 June 2002, see entire document.	1-39
A	US 5,726,980 A (RICKARD) 10 March 1998, see entire document.	1-39
A	US 2002/0109585 A1 (SANDERSON) 15 August 2002, see entire document.	1-39
A	US 2003/0185163 A1 (BERTONIS et al) 02 October 2003, see entire document.	1-39

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

07 January 2004 (07.01.2004)

Date of mailing of the international search report

21 JAN 2004

Name and mailing address of the ISA/US

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